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PCK1 Rabbit pAb

Catalog No.: A4005 **1 Publications**

Basic Information

Observed MW
68kDa

Calculated MW
69kDa

Category
Primary antibody

Applications
WB,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

Background

This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme of the encoded protein also has been characterized.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:20 - 1:50

Immunogen Information

Gene ID
5105

Swiss Prot
P35558

Immunogen
A synthetic Peptide of human PCK1

Synonyms
PCKDC; PEPCK1; PEPCKC; PEPCK-C

Contact

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Product Information

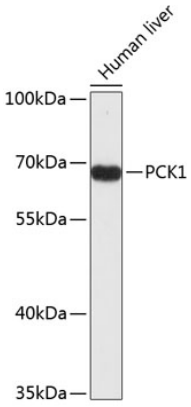
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,pH7.3.

Validation Data



Western blot analysis of extracts of human liver, using PCK1 antibody (A4005).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.